

IN THE CLAIMS:

Please amend the claims as follows:

1-2. (Cancelled)

3. (Currently amended) A [[The]] low-pass filter, comprising of claim 1, wherein:
a first element block having a capacitive element;
a second element block having a resistive element, the second element block being
connected in series to the first element block;
a first input terminal for receiving a first electric current, the first input terminal being
[[is]] provided at a [[the]] side including the first element block; and
a second input terminal for receiving a second electric current, the second input terminal
being connected to a connection point of the first element block and the second element block,
wherein the second electric current is an electric current whose direction is the same as
that of the first electric current and whose magnitude is N times that of the first electric current
(where N is a predetermined number), and
a total voltage generated in the first and second element blocks is employed as an output
signal.

4. (Currently amended) The low-pass filter of claim 3 [[1]], further comprising a third element block which has a capacitive element and is provided between the first input terminal and a reference voltage.

5. (Currently amended) A [[The]] low-pass filter of claim 1, further comprising:
a first element block having a capacitive element;
a second element block having a resistive element, the second element block being
connected in series to the first element block;

a first input terminal for receiving a first electric current, the first input terminal being provided at a side including the second element block;

a second input terminal for receiving a second electric current, the second input terminal being connected to a connection point of the first element block and the second element block; and

an operational amplifier ~~having which has~~ a normal phase input terminal, an inverted phase input terminal, and an output terminal, ~~wherein:~~ the first and second element blocks being [[are]] provided between the inverted phase input terminal and the output terminal of the operational amplifier, and the normal phase input terminal ~~being of the operational amplifier~~ is supplied with a reference voltage, [[; and]]]

wherein the first input terminal is provided at a [[the]] side including the inverted phase input terminal of the operational amplifier,

the second electric current is an electric current whose direction is the same as that of the first electric current and whose magnitude is N times that of the first electric current (where N is a predetermined number), and

a total voltage generated in the first and second element blocks is employed as an output signal.

6. (Currently amended) A low-pass filter, comprising:

a first element block having a capacitive element;

a second element block having a resistive element, the second element block being connected in series to the first element block;

an operational amplifier having a normal phase input terminal, an inverted phase input terminal, and an output terminal, the first and second element blocks being provided between the

inverted phase input terminal and the output terminal, the normal phase input terminal being supplied with a reference voltage;

a first input terminal for receiving a first electric current;
a second input terminal for receiving a second electric current, the second input terminal being connected to the inverted phase input terminal of the operational amplifier; and
a third element block having a capacitive element and a resistive element, the capacitive element being provided between the first input terminal and the reference voltage, the resistive element being provided between the first input terminal and the inverted phase input terminal of the operational amplifier,

wherein the second electric current is an electric current whose direction is opposite to that of the first electric current and whose magnitude is N times that of the first electric current (where N is a predetermined number) the first element block receives at least a part of the first electric current which corresponds to a difference between the electric current flowing through the resistive element of the third element block and the second electric current, and

a [[the]] total voltage generated in the first and second element blocks is employed as an output signal.

7-11. (Cancelled)

12. (Currently amended) A [[The]] feedback system for feeding back an output clock generated based on an input clock such that the output clock has a predetermined characteristic, comprising of claim 7, wherein:

a loop filter including a first element block which has a capacitive element, a second element block which has a resistive element and is connected in series to the first element block, a first input terminal for receiving a first electric current, and a second input terminal for

receiving a second electric current, which is connected to a connection point of the first and second element blocks, a total voltage generated in the first and second element blocks being employed as an output signal;

a charge pump circuit for generating the first and second electric currents based on a phase difference between the input clock and the fed-back clock; and

output clock generation means for generating the output clock based on the output signal from the loop filter,

wherein the first input terminal of the loop filter is provided at the side including the first element block;

the direction of the second electric current is the same as that of the first electric current, and the magnitude of the second electric current is N times that of the first electric current (where N is a predetermined number); and

the charge pump circuit includes a first partial charge pump circuit which outputs/receives the first electric current and a second partial charge pump circuit which outputs/receives the second electric current.

13. (Currently amended) A semiconductor integrated circuit comprising the low-pass filter of claim 3 [[1]].

14. (Currently amended) A semiconductor integrated circuit comprising the feedback system of claim 12 [[7]].

15. (Original) The semiconductor integrated circuit of claim 14, wherein the semiconductor integrated circuit is used in an IC card.

16. (Currently amended) The semiconductor integrated circuit of claim 14, wherein: the semiconductor integrated circuit has a chip-on-chip structure; and

the feedback system exists ~~is incorporated~~ in an upper layer of the chip-on-chip structure.

17. (Currently amended) The semiconductor integrated circuit of claim 14, wherein the feedback system exists on ~~is incorporated in~~ a pad ~~region~~ of the semiconductor integrated circuit.

18. (Original) The semiconductor integrated circuit of claim 14, wherein the semiconductor integrated circuit is a microprocessor.

19. (New) The feedback system of claim 12, wherein the output clock generation means is a voltage controlled oscillator which oscillates the output clock and changes the oscillation frequency based on the output signal from the loop filter.

20. (New) The feedback system of claim 12, wherein the output clock generation means is a voltage controlled delay circuit which changes a delay amount of the output clock with respect to the input clock based on the input clock and the output signal from the loop filter.